

The U.S. Support Program to IAEA Safeguards

*NMMSS Users' Training Meeting 2016
New Orleans, LA
May 9-12, 2016*

*Susan E. Pepper
Nonproliferation and National Security Department*

BROOKHAVEN
NATIONAL LABORATORY

a passion for discovery



International Atomic Energy Agency

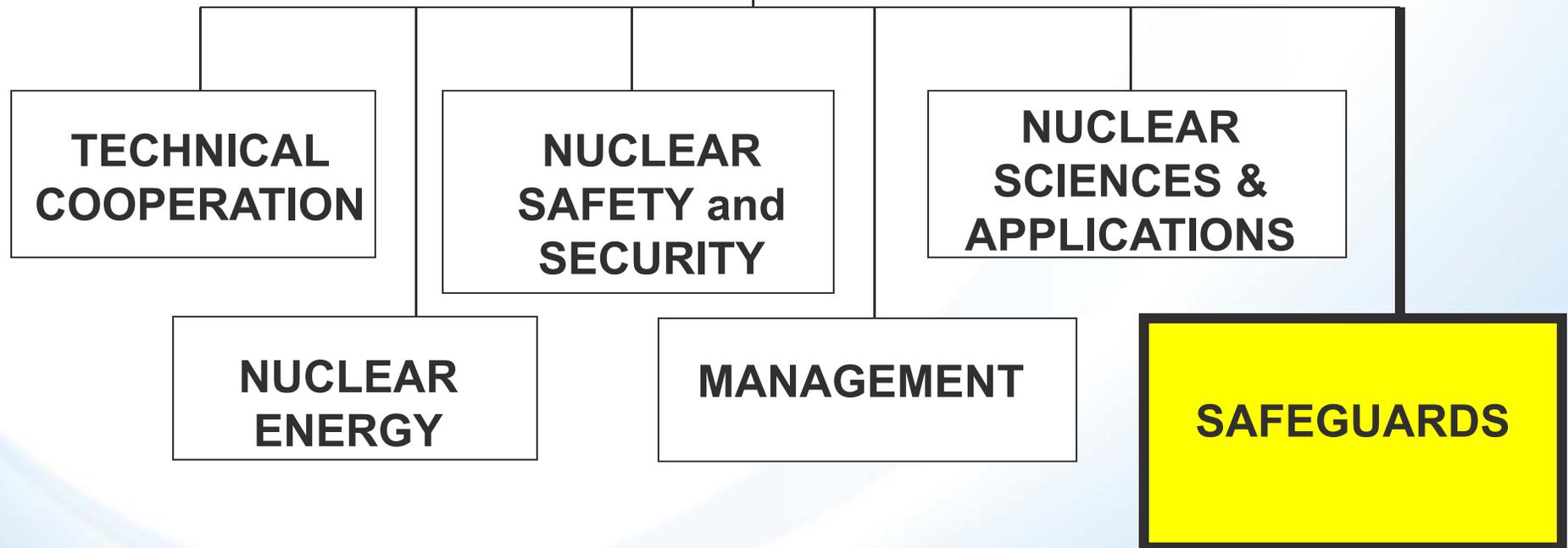
- Established in 1947
- Located in Vienna, Austria
- Affiliated with the United Nations
- Promotes the peaceful uses of nuclear energy and prevents the spread of nuclear weapons
- Budget ~\$350M



**Director General
Yukiya Amano**



*Atoms for Peace: The First Half Century
1957-2007*



U.S. Support Program to IAEA Safeguards

Purpose: Provide a mechanism to transfer technology available in the United States and augment the IAEA's regular budget for Safeguards activities with U.S.-sponsored expertise, technology, equipment, and techniques

Established: 1977

Sponsor: U.S. Department of State

FY 2016 Funding: \$12 million (over \$220M lifetime)

Active Tasks: ~80 (over 1200 lifetime)

One of 21 Member State Support Programs

International Safeguards Project Office

- Operated at Brookhaven National Laboratory since 1977
- Manages the USSP for the U.S. government
 - Technical oversight
 - Financial tracking
 - Recruitment of U.S. citizens for positions with the IAEA
- Offices at BNL and in Vienna, Austria

Brookhaven National Laboratory

Nonproliferation and National Security Department

Susan Pepper, Chair

International Safeguards Project Office

Raymond Diaz - Project Office Head

Teresa Montuori - Administrative Support

New York

Joe Carbonaro - Task Monitor

Josh Tackentien - Task Monitor
(Next Liaison Officer)

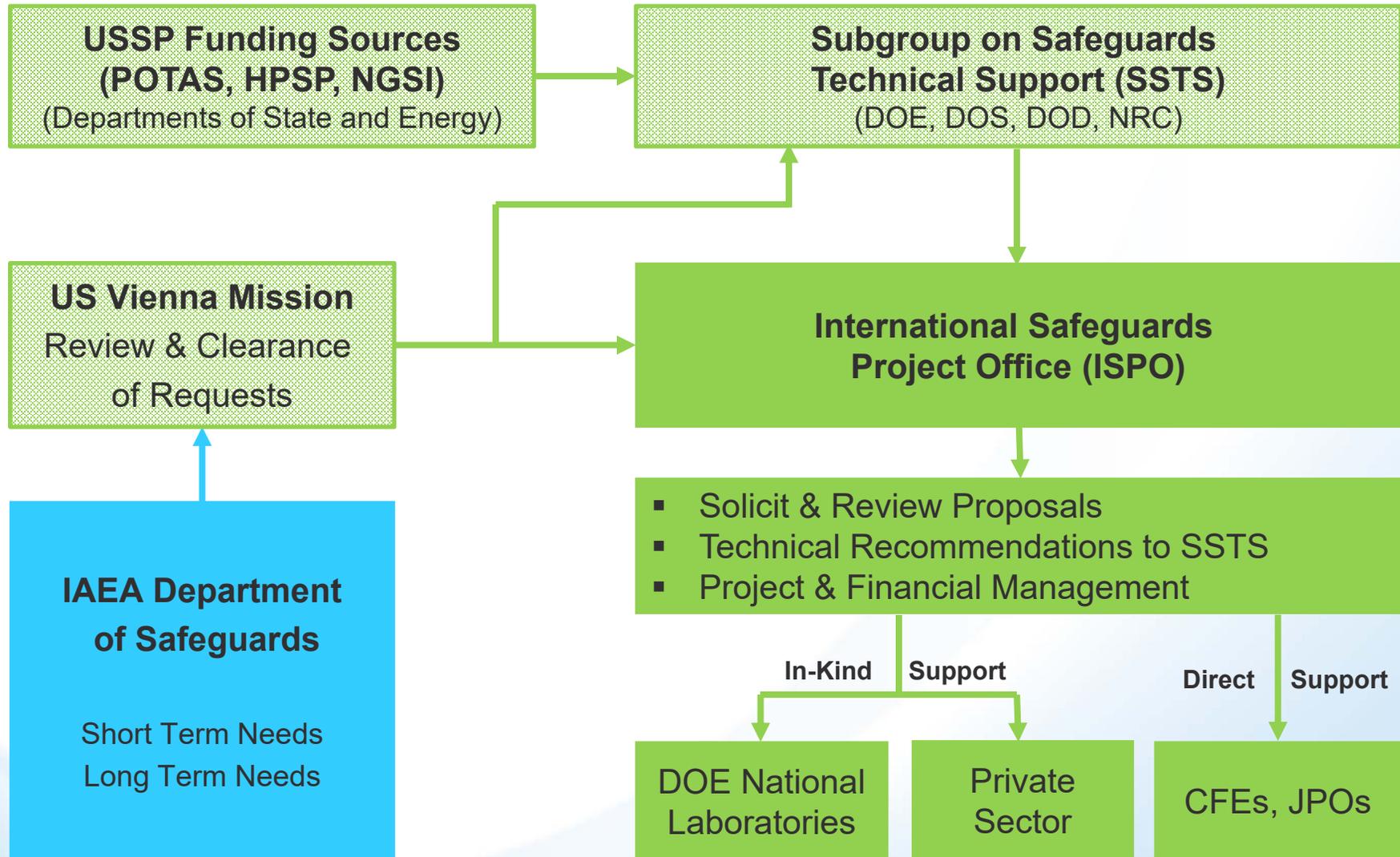
Ron Webster – Task Monitor

Deborah Johnson - Financial
Specialist

Vienna

Barbara Hoffheins - Liaison Officer
(Returning to BNL in April 2017)

USSP to IAEA SG Department



USSSP Funded Work

FY16 POTAS - \$12.4 Million

Equipment
Development
& COTS



Training



Concepts and
Approaches



Technical Expertise

- CFEs (11)
- JPOs (8)
- Consultants



Materials Control
and Accountability



Information
Management

Seals

Metal Cap Seal

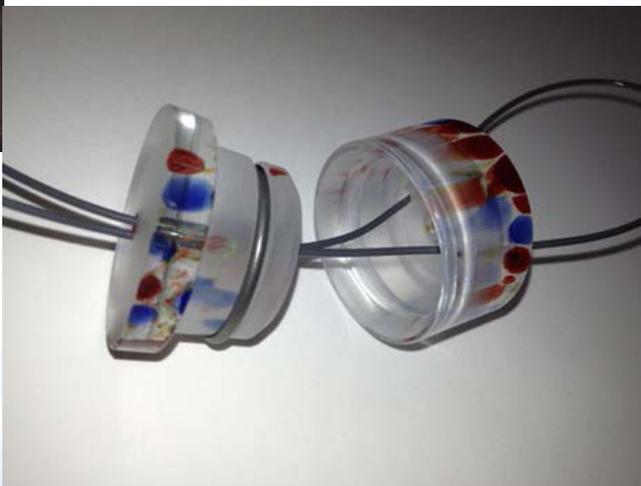


Ultra Sonic Sealing Bolt



VACOSS Seal

Glass Seal



Tamper Indicating Cover

Work Performed by U.S. National Labs and Contractors



- USSP has funded more than 80 U.S. contractors

IAEA Staffing Needs

- Physicists
- Nuclear Engineers
- Chemists/Chemical Engineers
- Electrical Engineers
- Industrial Engineers
- Computer Scientists
- Data Analysts
- Political Scientists
- Geospatial Information Systems

IAEA Positions

- Material accountancy
- Software development
- Satellite imagery analysis
- Training
- Safeguards approaches
- Quality management
- Equipment development, testing, integration, and maintenance
- Communications
- Open source information analysis

Benefits of Employment

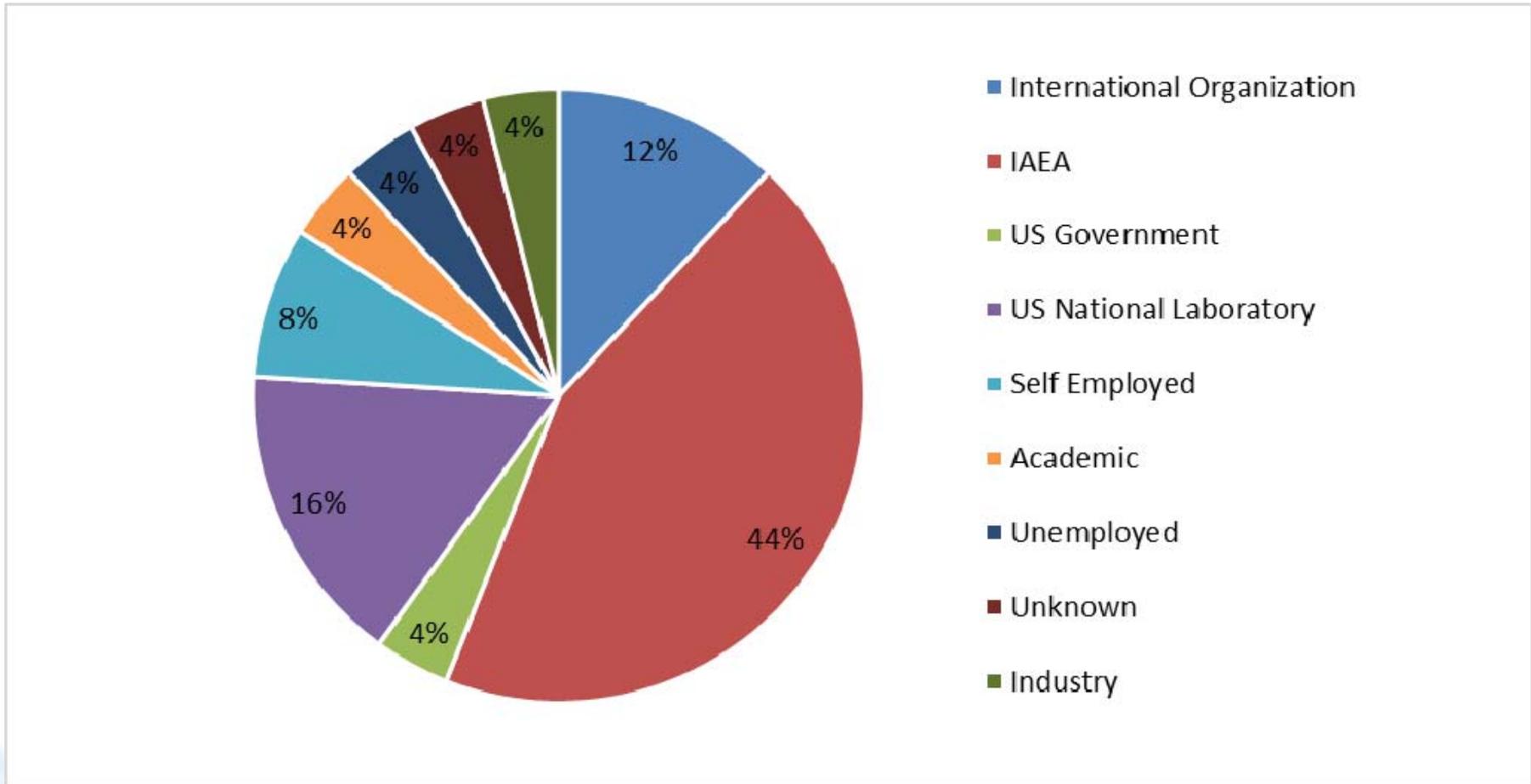
- Salaries & benefits of UN Common System
(Education grant, rental subsidy, dependency allowances)
- Relocation expenses
- Family support services
(Housing, schooling, child-care center)
- 6 weeks annual leave & home leave
- Compensatory time off
- Medical insurance and pension plan
- Training and staff development
- Flexible working hours



Job Categories

- **Junior Professional Officers - Extrabudgetary**
 - Early career
 - 0-2 years' experience
 - College degree
 - Less than 32 years of age
- **Cost Free Experts - Extrabudgetary**
 - Mid- to late-career
- **Regular Staff – Regular Budget**
 - Mid- to late-career

Employer Immediately Following JPO Assignment



Thank You!!

See me later for more information on
IAEA employment opportunities.